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O I P E

APR 29 2002

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TRANSMITTAL FORM

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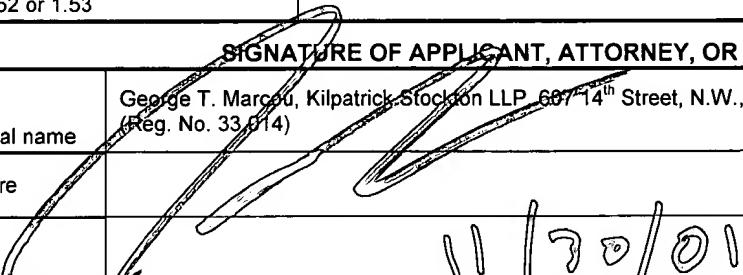
TRANSMITTAL FORM		Application Number	09/925,009
		Filing Date	August 9, 2001
		First Named Inventor	Victor VERBINSKI, et al.
		Group Art Unit	2878
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	7	Attorney Docket Number	SAIC0055-C-CIP-C

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <small>(for an Application)</small> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <small>(Appeal Notice, Brief, Reply Brief)</small> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <small>(please identify below):</small> <div style="text-align: center;">Substitute Declaration (6 pp.)</div>
Remarks		

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	George T. Marcus, Kilpatrick Stockton LLP, 607/14 th Street, N.W., Suite 900, Washington, DC 20005 <small>(Reg. No. 33,014)</small>
Signature	
Date	11/13/01

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**SUPPLEMENTAL
DECLARATION FOR UTILITY
OR DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Attorney Docket Number	SAIC0055-C-CIP-C
First Named Inventor	Victor V. VERBINSKI, et al
COMPLETE IF KNOWN	
Application Number	09/ 925,009
Filing Date	August 9, 2001
Group Art Unit	2878
Examiner Name	Not Yet Assigned

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As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DENSITY DETECTION USING REAL TIME DISCRETE PHOTON COUNTING FOR FAST MOVING TARGETS

the specification of which *(Title of the Invention)*

is attached hereto.

OR

was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) *(if applicable).*

I hereby declare that the subject matter of the attached amendment amendment filed on was part of my or our invention and was invented before the filing date of the original application, above identified for such invention.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the natural or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	
09/398,547	9/17/99	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B is attached hereto

[Page 1 of 2]

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SUPPLEMENTAL DECLARATION – UTILITY OR DESIGN PATENT APPLICATION

Direct all correspondence to: <input type="checkbox"/> Customer Number or Bar Code Label		<input type="checkbox"/> Correspondance address below	
Name	George T. Marcou		
Address	Kilpatrick Stockton LLP		
Address	607 14 th Street, NW, Suite 900		
City Washington	State DC	ZIP 20005	
Country USA	Telephone 202 508 5800	Fax 202 508 5858	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Victor		Family Name VERBINSKI or Surname	
Inventor's Signature			Date
Residence: City La Jolla	State CA	Country USA	Citizenship USA
Mailing Address 8871 Cliffridge Avenue, La Jolla, CA 92121			
Mailing Address 8871 Cliffridge Avenue, La Jolla, CA 92121			
City La Jolla	State CA	ZIP 92121	Country USA
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Scott		Family Name SMITH or Surname	
Inventor's Signature	Date		
Residence: City San Diego	State CA	Country USA	Citizenship USA
Mailing Address 5345 Northridge Avenue, San Diego, CA 92117			
Mailing Address 5345 Northridge Avenue, San Diego, CA 92117			
City San Diego	State CA	ZIP 92117	Country USA
<input checked="" type="checkbox"/> Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.			

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DECLARATION

ADDITIONAL INVENTOR(S)

Supplemental Sheet

Page 3 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Kenneth		Valentine (Deceased) Judith Maxwell, Administrator for the Deceased		
Inventor's Signature	<i>Judith Maxwell, Administrator</i>		Date 11-19-2001	
Residence: City	Glen Ellen	State	CA	Country
USA				
Citizenship USA				
Mailing Address P. O. Box 151, Glen Ellen, CA 95442				
Mailing Address P. O. Box 151, Glen Ellen, CA 95442				
City	Glen Ellen	State	CA	ZIP 95442
Country USA				
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Jeffrey		Adams		
Inventor's Signature	Date			
Residence: City	San Marcos	State	CA	Country USA
Citizenship USA				
Mailing Address 1280 Rock Springs Road, San Marcos, CA 92069				
Mailing Address 1280 Rock Springs Road, San Marcos, CA 92069				
City	San Marcos	State	CA	Zip 92069
Country USA				
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Ryan		Shyffer		
Inventor's Signature	Date			
Residence: City	San Diego	State	CA	Country USA
Citizenship USA				
Mailing Address 8624 Lepus Road, San Diego, CA 92126				
Mailing Address 8624 Lepus Road, San Diego, CA 92126				
City	San Diego	State	CA	Zip 92126
Country USA				

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OR DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Attorney Docket Number SAIC0055-C-CIP-C

First Named Inventor Victor V. VERBINSKI, et al

COMPLETE IF KNOWN

Application Number 09/ 925,009

Filing Date August 9, 2001

Group Art Unit 2878

Examiner Name Not Yet Assigned

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DENSITY DETECTION USING REAL TIME DISCRETE PHOTON COUNTING FOR FAST MOVING TARGETS

the specification of which *(Title of the Invention)*

is attached hereto.

OR

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Application Number and was amended on (MM/DD/YYYY) *(if applicable)*.

I hereby declare that the subject matter of the attached amendment amendment filed on was part of my or our invention and was invented before the filing date of the original application, above identified for such invention.

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

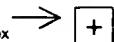
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SUPPLEMENTAL DECLARATION – UTILITY OR DESIGN PATENT APPLICATION

Direct all correspondence to:		<input type="checkbox"/> Customer Number or Bar Code Label		OR	<input checked="" type="checkbox"/> Correspondence address below
Name	George T. Marcou				
Address	Kilpatrick Stockton LLP				
Address	607 14 th Street, NW, Suite 900				
City			State	ZIP	
Washington			DC	20005	
Country	Telephone				Fax
USA	202 508 5800				202 508 5858
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name Victor			Family Name VERBINSKI or Surname		
Inventor's Signature	<i>Victor V. Verbinski</i>			Date	
Residence: City	State	Country	Citizenship		
La Jolla	CA	USA	USA		
Mailing Address 8871 Cliffridge Avenue, La Jolla, CA 92121					
Mailing Address 8871 Cliffridge Avenue, La Jolla, CA 92121					
City	State	ZIP	Country		
La Jolla	CA	92121	USA		
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name Scott			Family Name SMITH or Surname		
Inventor's Signature	<i>Scott Smith</i>			Date 11/17/01	
Residence: City	State	Country	Citizenship		
San Diego	CA	USA	USA		
Mailing Address 5345 Northbridge Avenue, San Diego, CA 92121 13909 Barrymore St. San Diego, CA 92129					
Mailing Address 5345 Northbridge Avenue, San Diego, CA 92121 13909 Barrymore St. San Diego, CA 92129					
City	State	ZIP	Country		
San Diego	CA	92129	USA		
<input checked="" type="checkbox"/> Additional Inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

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Supplemental Sheet
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Kenneth		Valentine (Deceased) Judith Maxwell, Administrator for the Deceased		
Inventor's Signature		Date		
Residence: City	Glen Ellen	State	CA	Country
Residence: City	Glen Ellen	State	CA	Country
Mailing Address	P. O. Box 151, Glen Ellen, CA 95442			
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City	Glen Ellen	State	CA	ZIP 95442
City	Glen Ellen	State	CA	ZIP 95442
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Jeffrey		Adams		
Inventor's Signature		Date 11/14/01		
Residence: City	San Marcos	State	CA	Country
Residence: City	San Marcos	State	CA	Country
Mailing Address	1280 Rock Springs Road, San Marcos, CA 92069			
Mailing Address	1280 Rock Springs Road, San Marcos, CA 92069			
City	San Marcos	State	CA	Zip 92069
City	San Marcos	State	CA	Zip 92069
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
Ryan		Shyffer		
Inventor's Signature		Date 11/14/01		
Residence: City	San Diego	State	CA	Country
Residence: City	San Diego	State	CA	Country
Mailing Address	8624 Lepus Road, San Diego, CA 92126			
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